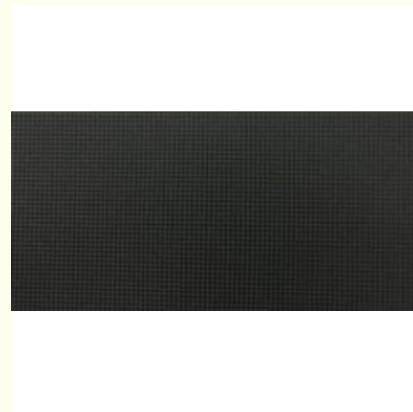


P1.86 LED Display Module with Wide Color Gamut and Accurate Color Reproduction for Commercial Display Applications

Our Product Introduction

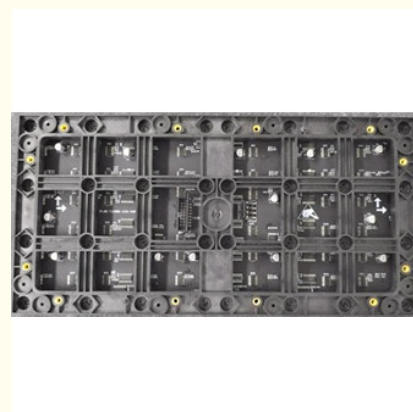
Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: Googol
- Certification: CE ROHS
- Model Number: Module P1.86



Product Specification

- Pixel Pitch: 1.86mm
- LED Packaging: SMD1515
- Dimensions: 320*160*16.2mm
- Pixel Density: 288906Dots/m²
- Resolution Per Module: 172*80=14792Dots
- Refresh Rate: 3840Hz
- Highlight: Wide Color Gamut LED Display Module,
P1.86 LED Display Module,
Commercial LED Display Module



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Product Description

1. Product Overview

The P1.86 LED display module is a high-precision, high-refresh rate, small-pitch LED module suitable for high-definition display applications. Its high pixel density and excellent color performance make it an ideal choice for indoor high-end display solutions.

2. Main parameters

Pixel pitch: 1.86mm

LED package: SMD1515

Module size: 320mm × 160mm × 16.2mm

Pixel density: 288,906 Dots/m²

Module resolution: 172 × 80 = 14,792 Dots

Refresh rate: 3840Hz

3. Product features

High-definition picture quality: High pixel density and small pitch design, presenting delicate picture quality, meeting the needs of close-range viewing.

High refresh rate: The high refresh rate of 3840Hz effectively reduces screen flickering and ensures smooth playback, which is suitable for high-end conferences, broadcast-level video playback and other scenarios.

Stable performance: Adopts high-quality SMD1515 packaging technology to ensure high contrast, low power consumption and high stability.

Accurate color reproduction: Support wide color gamut and fine adjustment to make the picture color uniform and natural, enhancing the visual experience.

4. Applicable scenarios

Conference room and command center

TV station and studio

Exhibition and commercial display application

Intelligent monitoring system

The P1.86 LED display module provides users with the ultimate visual experience with its high definition, high refresh rate and excellent stability, and is an ideal choice for indoor high-definition display.

Parameter			
Pixel Pitch	1.86mm	Pixel Density	288906Dots/m ²
Pixel Configuration	1R1G1B	LED Packaging	SMD1515
Dimensions	320*160*16.2mm	Weight	0.42kg±0.01kg
Structural Features	Soft Connections	Resolution Per Module	172*80=14792Dots
Input Voltage	4.2~5V	Maximum Current	≤4A
Interface Type	HUB75(dual data sets)	Refresh Rate	3840Hz
Power Consumption Per Module	≤20W	Driving Method	Constant Current
Brightness	≥500cd/m ²	Brightness Uniformity	>0.95
Horizontal Viewing Angle	160±10 degrees	Vertical Viewing Angle	140±10 degrees
Optimal Viewing Distance	≥5.6m	Operating Environment	Indoor
Service Life	≥10000 hours	Mean Time Between Failures (MTBF)	≥5000 hours
Decline Rate(3-year operation)	≤10%	Continuous Dead Pixel	0
Defective Pixel Rate	<30PPM 0 at shipment	Blind Spot Rate	<50PPM 0 at shipment
Operating Temperature Range	-10°C~40°C	Operating Humidity Range	10%~65%RH(no condensation)
Module Flatness	<0.4mm	LED Bead Push Force	>1.3kg



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